

(1) Evaluation Result when Considering Links ('Survey'-type Evaluation)

Summary Statistics	
Run ID	TKB-ds-02
Subtask	Subtask A (survey)
Relevant Level	Level1 (S or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	35
Total number of documents over all topics	
Retrieved:	34409
Relevant:	3893
Rel-ret:	1607

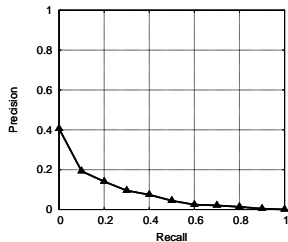
Summary Statistics	
Run ID	TKB-ds-02
Subtask	Subtask A (survey)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	35
Total number of documents over all topics	
Retrieved:	34409
Relevant:	5687
Rel-ret:	2322

Recall Level Precision Averages	
Recall	Precision
0.00	0.4057
0.10	0.1924
0.20	0.1405
0.30	0.0952
0.40	0.0742
0.50	0.0443
0.60	0.0245
0.70	0.0206
0.80	0.0134
0.90	0.0042
1.00	0.0004
Average precision over all relevant documents	
non-interpolated	0.0785

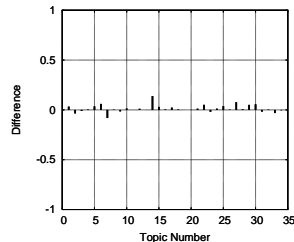
Document Level Averages	
	Precision
At 5 docs	0.2229
At 10 docs	0.1971
At 15 docs	0.1886
At 20 docs	0.1814
At 30 docs	0.1676
At 100 docs	0.1331
At 200 docs	0.1026
At 500 docs	0.0695
At 1000 docs	0.0459
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.1144

Recall Level Precision Averages	
Recall	Precision
0.00	0.5485
0.10	0.2566
0.20	0.1843
0.30	0.1334
0.40	0.1106
0.50	0.0655
0.60	0.0427
0.70	0.0263
0.80	0.0155
0.90	0.0004
1.00	0
Average precision over all relevant documents	
non-interpolated	0.1017

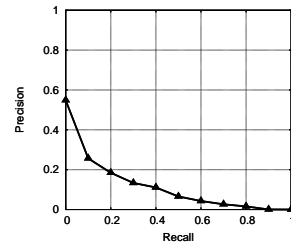
Document Level Averages	
	Precision
At 5 docs	0.3143
At 10 docs	0.2771
At 15 docs	0.2667
At 20 docs	0.2614
At 30 docs	0.2400
At 100 docs	0.1920
At 200 docs	0.1493
At 500 docs	0.0998
At 1000 docs	0.0663
R-Precision (precision after R docs retrieved (where R is the number of relevant documents))	
Exact	0.1621



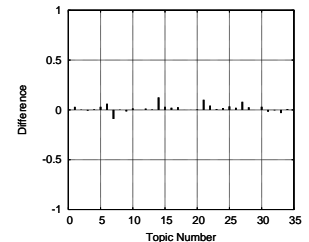
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 16 'automatic' and 'DISC only' runs)*

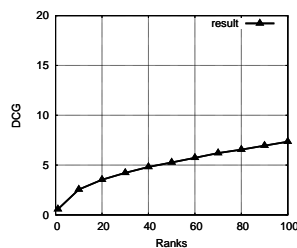


Recall-Precision Curve



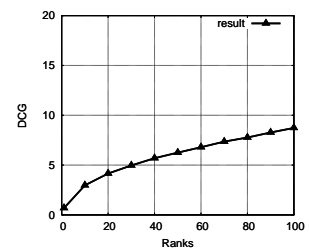
Difference from Median in Average Precision per Topic (over 16 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.5714
At 10 docs	2.5496
At 20 docs	3.5296
At 30 docs	4.2181
At 40 docs	4.8114
At 50 docs	5.2633
At 60 docs	5.7269
At 70 docs	6.2058
At 80 docs	6.5498
At 90 docs	6.9509
At 100 docs	7.3461
At 200 docs	9.5065
At 500 docs	13.3408
At 1000 docs	15.8315



Discounted Cumulative Gain Curve ($G_S = 3, G_A = 2, G_B = 0$)

Discounted (\log_2) Cumulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	0.6857
At 10 docs	2.9691
At 20 docs	4.1518
At 30 docs	4.9628
At 40 docs	5.6899
At 50 docs	6.2509
At 60 docs	6.7937
At 70 docs	7.3531
At 80 docs	7.7659
At 90 docs	8.2694
At 100 docs	8.7296
At 200 docs	11.3686
At 500 docs	15.9000
At 1000 docs	18.9528



Discounted Cumulative Gain Curve ($G_S = 3, G_A = 2, G_B = 1$)

* Topic Numbers: (1,2,3,4, 5, 6, 7, 8, 9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35)
 Topic IDs: (1,3,4,6,19,21,22,23,28,29,34,44,45,55,58,61,62,63,65,68,70,71,73,74,76,80,82,84,86,88,91,95,97,98,99)

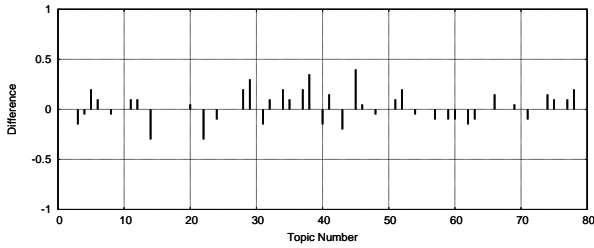
(2) Evaluation Result when Considering Links ('Target'-type Evaluation)

Summary Statistics	
Run ID	TKB-ds-02
Subtask	Subtask A (target)
Relevant Level	Level1 (S or A)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	80

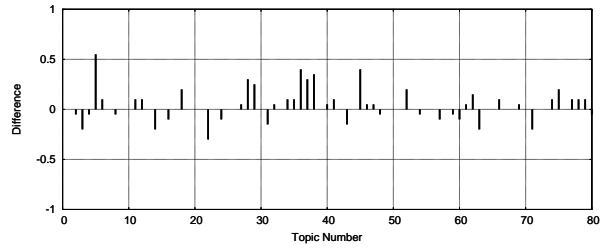
Summary Statistics	
Run ID	TKB-ds-02
Subtask	Subtask A (target)
Relevant Level	Level2 (S, A or B)
Query Method	automatic
Topic Part	DISC only
Contents/Links Used	contents only
Number of Topics	80

Document Level Precision Averages, Mean Reciprocal Rank (MRR), and the Number (#) and Percentage (%) of Topics for which No Relevant Document (Level1) were Retrieved				
	Precision	MRR	#	%
At 5 docs	0.2625	0.3448	37	0.4625
At 10 docs	0.2275	0.3618	27	0.3375
At 15 docs	0.2275	0.3699	19	0.2375
At 20 docs	0.2194	0.3714	17	0.2125

Document Level Precision Averages, Mean Reciprocal Rank (MRR), and the Number (#) and Percentage (%) of Topics for which No Relevant Document (Level2) were Retrieved				
	Precision	MRR	#	%
At 5 docs	0.3675	0.4733	22	0.2750
At 10 docs	0.3100	0.4818	17	0.2125
At 15 docs	0.3017	0.4900	9	0.1125
At 20 docs	0.2944	0.4900	9	0.1125

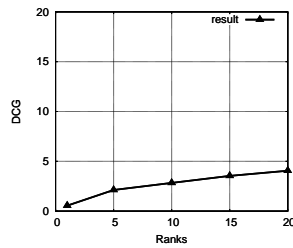


Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*



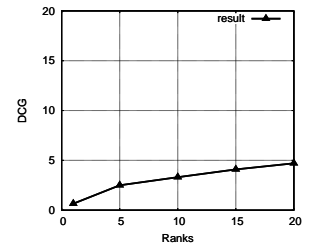
Difference from Median in Precision at Top-ranked 10 Documents per Topic (over 16 'automatic' and 'DISC only' runs)*

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 0$)	
	DCG
At 1 doc	0.5500
At 5 doc	2.1217
At 10 docs	2.8342
At 15 docs	3.5358
At 20 docs	4.0555



Discounted Cummulative Gain Curve ($G_S = 3, G_A = 2, G_B = 0$)

Discounted (\log_2) Cummulative Gain Averages ($G_S = 3, G_A = 2, G_B = 1$)	
	DCG
At 1 doc	0.6500
At 5 doc	2.4962
At 10 docs	3.3105
At 15 docs	4.0890
At 20 docs	4.7024



Discounted Cummulative Gain Curve ($G_S = 3, G_A = 2, G_B = 1$)

* Topic Numbers: (1, 2, 3, 4, 5, 6, 7, 8, 9,10,11,12,13,14,15,16,17,18,19,20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80)
 Topic IDs: (1, 2, 3, 4, 5, 6, 7, 9,11,14,15,19,21,22,23,24,25,26,28,29, 30, 31, 34, 38, 43, 44, 45, 46, 55, 57, 58, 60, 61, 62, 63, 65, 66, 67, 68, 70, 71,72,73,74,76,77,80,81,82,84,86,88,89,91,94,95,97,98,99,108,110,111,112,116,117,119,120,122,123,127,129,132,133,143,145,146,149,150,151,152)